

Amendments to the Specification:

Please replace the paragraphs beginning at page 8, line 4, with the following rewritten paragraph:

-- Referring to **Fig.3a**, a long length of oligomode fiber optic waveguide **302** with a series of evanescent wave decouplers **304** is laid out on or incorporated into floor **306** of a barn or other live animal storage facility. At timed intervals, coherent light source **308**, which is connected to fiber **302**, is turned on and animals ~~**310**~~(not shown) are exposed to the radiation. This will increase the fertility of the animals as well as accelerate their growth. Fig **3b** depicts a cross section of waveguide **302** incorporated into floor **306**. The waveguides **302** with evanescent decouplers **304** are placed in small channels **310** in the surface of floor **306**. Windows **312** may be used to cover channels **310** to protect waveguides **302** therein. --

Please replace the paragraphs beginning at page 8, line 14, with the following rewritten paragraph:

-- Referring to **Fig. 4**, large bundle **402** of oligomode fibers **404** is brought across a field **406**. At desired intervals individual fibers **408** are directed out from bundle **402** and placed along with seedling **410** into soil **412**. Coherent light source **414** attached to bundle **402** transmits coherent light through fibers **404**. Evanescent decouplers **405** leak radiation from fibers **404** to the nearby seedlings and soil. By controlling light source **414** with timer **416** seedlings **410** can be intermittently or constantly exposed to the biostimulating radiation. --

Amendments to the Drawings:

As required by the above notice, a replacement figure 4 is enclosed. Figure 4 has been amended to remove the defects cited in the notice, specifically figure 4 has been re-drawn to improve the line and figure quality as well as to remove copy marks, overwriting and other defects.

Attachment: Replacement figure 4.